1   1.   A method of controlling access to a computer system, comprising:

2   receiving a request to log into the computer system;

3   determining if a smart card is being used as a part of a login protocol to log

4   in to the computer system;

5   if so, permitting use of the computer system and logging use of the

6   computer system for the user associated with the smart card; and

7   if not, permitting use of the computer system and logging use of the

8   computer system to an unknown user.

9

10   2.   The method according to claim 1, further comprising setting an alert when

11   use of the computer system is permitted and logged to an unknown user.

12

13   3.   The method according to claim 2, wherein the alert comprises changing a

14   visual appearance of an icon.

15

16   4.   The method according to claim 2, further comprising clearing the alert if the

17   user associated with the smart card has rights to clear alerts when the smart card

18   is being used as a part of the login protocol.

19

20   5.   The method according to claim 1, further comprising determining an access

21   restriction associated with a user associated with the smart card and permitting

22   use of the computer system subject to the access restriction when the smart card

23   is being used as a part of the login protocol.

24

25   6.   The method according to claim 5, further comprising denying access to the

26   computer system when the access restriction is not met.

27

28   7.   The method according to claim 5, wherein the access restriction comprises

29   restriction of time of day that use of the computer system is permitted.

30

8. The method according to claim 5, wherein the access restriction comprises restriction of computer programs that can be executed on the computer system.

9. The method according to claim 1, further comprising:

setting a timer to measure a time period whenever use of the computer system is permitted;

resetting the timer when the computer system is actively being used; and

carrying out an automatic logout when the computer system has not been actively used during the time period.

10. The method according to claim 1, further comprising permitting initialization of a smart card if the user associated with the smart card has rights to initialize a smart card, when the smart card is being used as a part of the login protocol.

11. The method according to claim 10, wherein the initialization further comprises establishing access restrictions for a user of the smart card.

12. The method according to claim 1, wherein the use logging comprises making entries into a log file of a user name, time and date of computer system use.

13. The method according to claim 12, wherein the use logging further comprises making entries into the log file of computer programs accessed.

14. A computer readable storage medium storing instructions that, when executed on a programmed processor, carry out the method according to claim 1.

15. A method of controlling access to a computer system, comprising:

receiving a request to log into the computer system;

determining if a smart card is being used as a part of a login protocol to log in to the computer system;

if so, permitting use of the computer system and logging use of the computer system for the user associated with the smart card;

if not, permitting use of the computer system and logging use of the computer system to an unknown user;

setting an alert by changing a visual appearance of an icon when use of the computer system is permitted and logged to an unknown user;

determining an access restriction associated with a user associated with the smart card and permitting use of the computer system subject to the access restriction when the smart card is being used as a part of the login protocol;

denying access to the computer system when the access restriction is not met;

setting a timer to measure a time period whenever use of the computer system is permitted;

resetting the timer when the computer system is actively being used;

carrying out an automatic logout when the computer system has not been actively used during the time period; and

wherein the use logging comprises making entries into a log file of a user name, time and date of computer system use.

1 16. A computer system having an access control system, comprising:

2 a central processor;

3 a smart card reader accessible by the central processor;

4 a security program running on the central processor that:

5 determines if a smart card is being used as a part of a login

6 protocol to log in to the computer system;

7 if so, permits use of the computer system and logs use of the

8 computer system for the user associated with the smart card; and

9 if not, permits use of the computer system and logs use of the

10 computer system to an unknown user.

11

12 17. The apparatus according to claim 16, wherein the security program further

13 sets an alert when use of the computer system is permitted and logged to an

14 unknown user.

15

16 18. The apparatus according to claim 17, wherein the alert comprises changing

17 a visual appearance of an icon.

18

19 19. The apparatus according to claim 17, the security program further

20 determines an access restriction associated with a user associated with the smart

21 card and permits use of the computer system subject to the access restriction

22 when the smart card is being used as a part of the login protocol; and denies

23 access to the computer system when the access restriction is not met.

24

25

1   20.   The apparatus according to claim 17, wherein the security program also:

2   sets a timer to measure a time period whenever use of the computer system

3   is permitted;

4   resets the timer when the computer system is actively being used; and

5   carries out an automatic logout when the computer system has not been

6   actively used during the time period.

7

8   21.   The method according to claim 17, wherein the use logging comprises

9   making entries into a log file of a user name, time and date of computer system

10 use.

11

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